

MAPS

Latitude, Longitude, Topography

REPUBLI

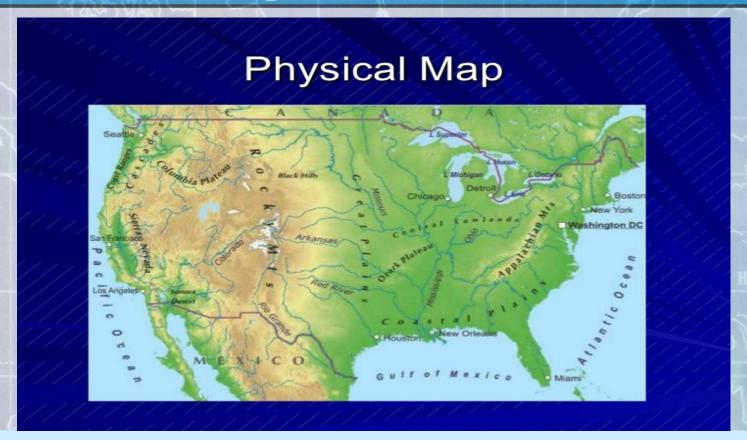
Types of Maps

Political Map



Political maps are maps that have to do with government. They show where the boundaries and locations of countries, states, cities, towns and counties are. These boundaries and locations are generally determined by people rather than nature.

Types of Maps



Physical Maps: A physical map focuses on the geography of the area and will often have shaded relief to show the mountains and valleys. Typical colors are blues, greens and browns. Many rivers, mountains and lake features are usually labeled.

Types of Maps

Other types of Maps

-Road

Forming

Grazing **Forestry**

Grapes **Potatoes**

Coal

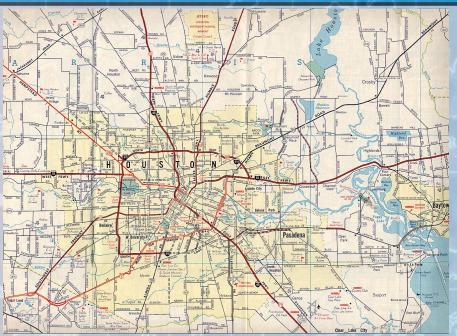
Potash

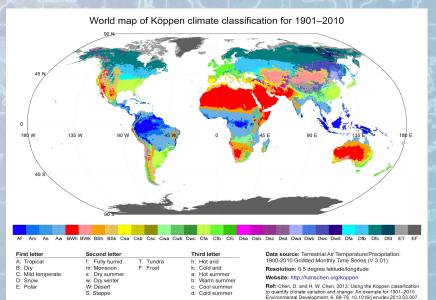
Uranium

- Resource
- -Climate Etc.



SWITZERLAND LIECH





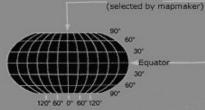
Representations of Earth

Globe = Most accurate model of Earth's land forms &

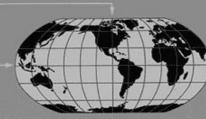
oceans



Robinson Projection

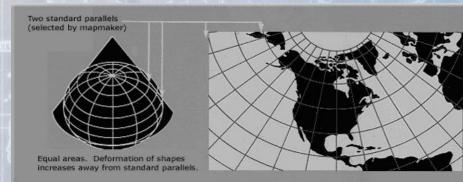


Stright Equator, parallels, central meridian Central meridian is 0.53 as long as Equator

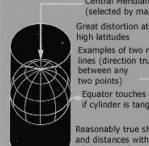


Concave meridians are equally spaced

Conic Projection



Mercator Projection

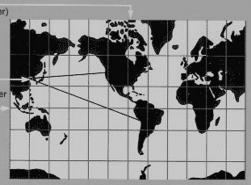


Central Meridian (selected by mapmaker)

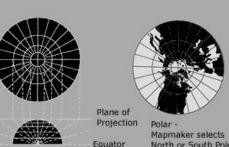
high latitudes Examples of two rhumb lines (direction true between any

Equator touches cylinder if cylinder is tangent

Reasonably true shapes and distances within 15 degrees of Equator



Gnonomic Projection



North or South Pole

along Equator or at Pole

Mapmaker selects any

point of tangency except

Oblique -



Equatorial -Mapmaker selects central meridian

QUIZ TIME: b. 3. 1. 4. C. a. 5. Equator a. d. 6. C. 7. © 2012 Encyclopædia Britannica, Inc.

Check:



What lines separate the hemispheres?

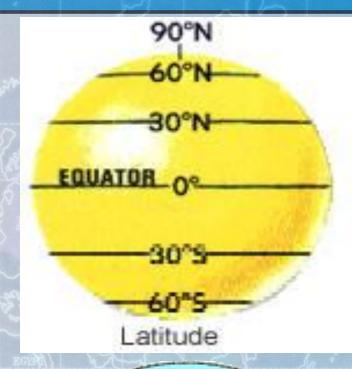
Northern Hemisphere Western Hemisphere

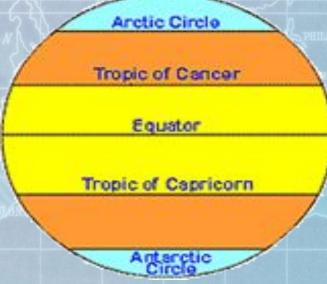
Southern Hemisphere

Eastern Hemisphere

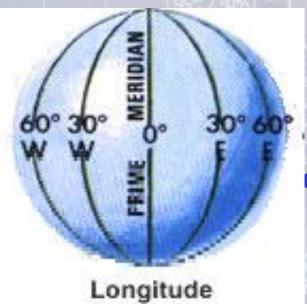
Latitude

- Distance north or south of the equator; measured in degrees.
- **Equator** = 0° latitude.
- North & South Pole = 90° latitude
- Lat rhymes with <u>FLAT</u>
- Other lines of latitude:
 - Tropic of Cancer
 - Arctic Circle
 - Tropic of Capricorn
 - Antarctic Circle



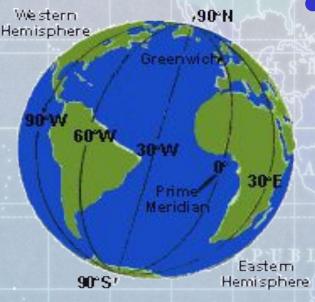


Longitude



Distance east or west of the prime meridian; measured in degrees.

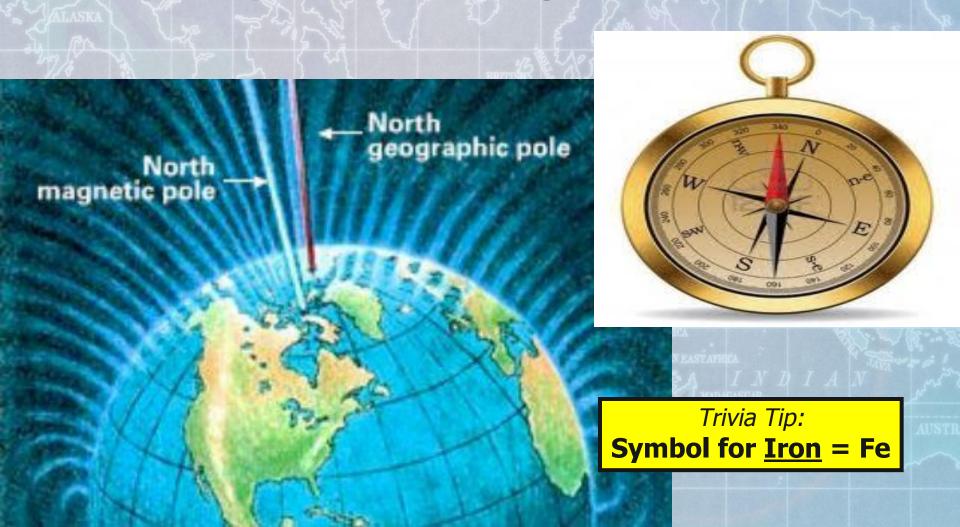
● Prime Meridian = 0° longitude (runs through Great Britain & Eastern Africa)



•International Date Line = 180° longitude (runs through the Pacific Ocean).

What direction does a compass needle point?

- The earth is a giant magnet
- Compass points to "Magnetic North Pole"



Stand UP!

- Choose a term that you just learned and either surprised you, intrigued you, or confused you
- Find someone:
 - Not sitting at your table
- Discuss this term with that person. You have 2 minutes!